

ABSTRACT

A three-dimensional image display device is provided which allows a reduction in redundant calculation and 5 high-speed obtainment of an optimum control image to be recorded on an optical wavefront control unit. This invention relates to a three-dimensional image display device for displaying a three-dimensional image by irradiating illuminating light at an optical wavefront control unit which records a control image. 10 The three-dimensional image display device of this invention includes a control image optimizing unit which calculates three-dimensional images corresponding to a group of control images based on constraints inherent to the optical wavefront control unit, selects a control image corresponding to a 15 three-dimensional image satisfying a predetermined condition from the group of control images, and records the selected control image on the optical wavefront control device.